

Table 1-3: Comparison of 100 Year GWPs

Gas	SAR	TAR	Change	
Carbon dioxide (CO ₂)	1	1	NC	NC
Methane (CH ₄)*	21	23	2	10%
Nitrous oxide (N ₂ O)	310	296	(14)	(5%)
HFC-23	11,700	12,000	300	3%
HFC-32	650	550	(100)	(15%)
HFC-125	2,800	3,400	600	21%
HFC-134a	1,300	1,300	NC	NC
HFC-143a	3,800	4,300	500	13%
HFC-152a	140	120	(20)	(14%)
HFC-227ea	2,900	3,500	600	21%
HFC-236fa	6,300	9,400	3,100	49%
HFC-4310mee	1,300	1,500	200	15%
CF ₄	6,500	5,700	(800)	(12%)
C ₂ F ₆	9,200	11,900	2,700	29%
C ₄ F ₁₀	7,000	8,600	1,600	23%
C ₆ F ₁₄	7,400	9,000	1,600	22%
SF ₆	23,900	22,200	(1,700)	(7%)

Source: (IPCC 2001)

NC (No Change)

* The GWP of CH₄ includes the direct effects and those indirect effects due to the production of tropospheric ozone and stratospheric water vapor. The indirect effect due to the production of CO₂ is not included.